

Claims:

1. A method of increasing the content of one or more transgene-coded biomolecules in an organism, characterized by changing the distribution of ATP and/or ADP in cells of the organism.
2. The method according to claim 1, wherein the expression of the transgene-coded biomolecules is constitutive or is regulated temporally, locally or inducibly.
3. The method according to claim 1 or 2, wherein several transgene-coded biomolecules are expressed in parallel or sequentially.
4. The method according to any one of claims 1 to 3, wherein the organism is a plant or an animal.
5. The method according to claim 4, wherein the plant comprises gramineae, chenopodiaceae, leguminouseae, brassicaceae, solanaceae, fungi, mosses, and algae.
6. The method according to claim 4, wherein the plant comprises wheat, barley, rice, corn, sugar beets, sugarcane, rape, mustard, oilseed rape, flax, safflower, peas, beans, lupins, tobacco, lucerne, soya, bananas, ananas, potatoes, sunflowers, melons, sweet potatoes, spelt, alfalfa, paprika, topinambur, tomatoes, durum wheat, rye or batata.
7. The method according to any of claims 1 to 6, wherein the transgene encodes a peptide, protein or a nucleic acid.
8. The method according to any of claims 1 to 7, wherein the transgene codes for antibodies, aptamers, receptors, enzymes, growth factors, hormones, specific antigen and/or antibody molecules, interferons, immunoglobulins, growth hormones, insulin, collagen,

plasminogen activator, blood factors such as factors I to XII, histocompatibility antigens, enzymes, tumor marker proteins and/or viral proteins, ribozymes, single-stranded or double-stranded DNA or RNA.

9. The method according to any of claims 1 to 8, characterized in that the activity or concentration of a protein involved in the subcellular distribution of ATP and/or ADP is increased or reduced in the organism.

10. The method according to any of claims 1 to 9, characterized in that the expression of a gene which codes for a protein involved in the subcellular distribution of ATP and/or ADP is increased or decreased in the organism.

11. The method according to claim 10, characterized in that the expression is constitutive or regulated temporally, locally or inducibly.

12. The method according to claim 10 or 11, characterized in that the expression of the plastidial ATP/ADP transporter is increased or decreased.